

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

1	GAATTCAACT	TCTCCATACT	TTGGATAAGG	AAATACAGAC	ATGAAAAATC	TCATTGCTGA	GTTGTTATTT	AAGTTGCCCC	AAAAAGAAGA	AGAGTCGAAT
	CTTAAAGTTGA	AGAGGTATGA	AACCTATTCC	TTTATGCTCTG	TACTTTTAG	AGTAACGACT	CAACAATAAA	TTCGAAACGGG	TTTTTCTTCT	TCTCAGCCTTA
101	GAACTGTGTG	CGCAGGTAGA	AGCTTTTGGAG	ATTATCGTCA	CTGCAATGCT	TCGCAATATG	GCGCAAAAATG	ACCAACAGCG	GTGTGATTGAT	CAGGTAGAGG
	CTTGACACAC	CGCTCCATCT	TCGAAACCTC	TAATAGCAGT	GACGTTACGA	AGCGTTATAC	CGCGTTTTTAC	TGGTGTGCG	CAACTAACTA	GTCCATCTCC
201	GGCGCGTGTA	CGAGGTAAAG	CCCGATGCCA	GCATTCCTGA	CGACGATACG	GAGCTGCTGC	GCGATTACGT	AAAGAAGTTA	TTGAAGCATC	CTCGTCAGTA
	CCCGCGACAT	GCTCCATTTC	GGGCTACGGT	CGTAAGGACT	GCTGCTATGC	CTCGACGACG	CGCTAATGCA	TTTCTTCAAT	AACTTCGTAG	GAGCAGTCAT
301	AAAAGTTAAAT	CTTTTCAACA	GCTGTCATAA	AGTTGTCACG	GCCGAGACTT	ATAGTCGCTT	TGTTTTTTATT	TTTTTAATGTA	TTTGTAACATA	GTACGCCAAGT
	TTTTTCAATTA	GAAAAAGTTGT	CGACAGTATT	TCAACAGTGC	CGGCTCTGAA	TATCAGCGAA	ACAAAAATAA	AAAAATTACAT	AAACATTGAT	CATGCGTTCA

Trp SD xbaI STII SD

401 TCACGTAAA AGGTATCTA GAGTTGAGG TGATTTT
AGTGCATTTT TCCCATAGAT CTCCAACTCC ACTAAAA

I

ATG AAA AAG AAT ATC GCA TTT CTT TCT GCA TCT ATG TTC GTT TTT TCT
TAC TTT TTC TTA TAG CGT AAA GAA GAA CAA AAG CAA AAA AGA
Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Ser Met Phe Val Phe Ser

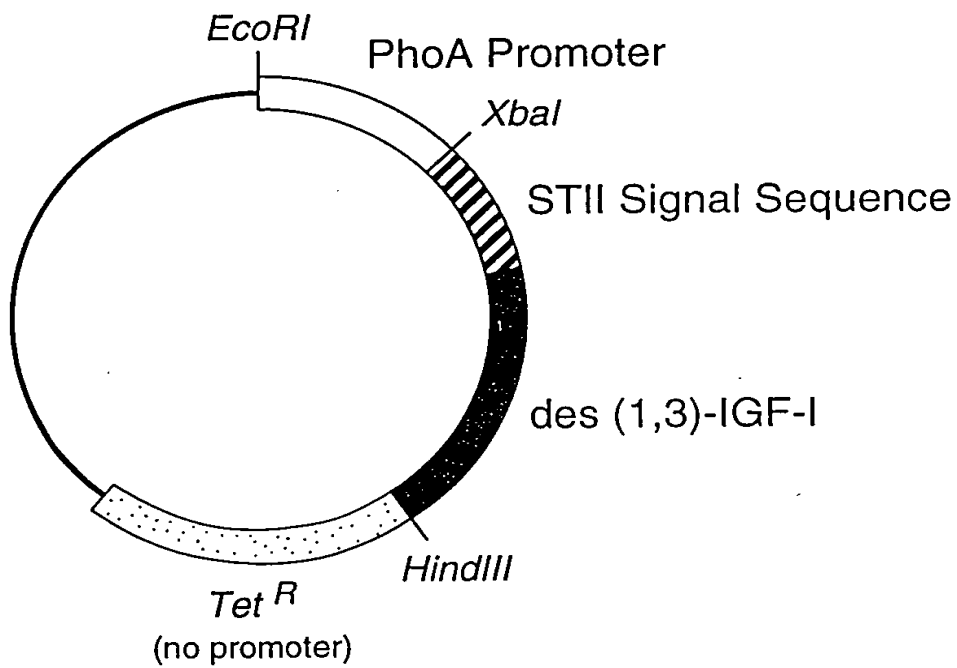
486 ATT GCT ACA AAT GCC TAT GCA (SEQ ID NO: 13)

TTAA CGA TGT TTA CGG ATA CGT

117 Ile Ala Thr Asn Ala Tyr Ala (SEQ ID NO: 14)

FIG. 1

APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

**FIG. 2**

APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

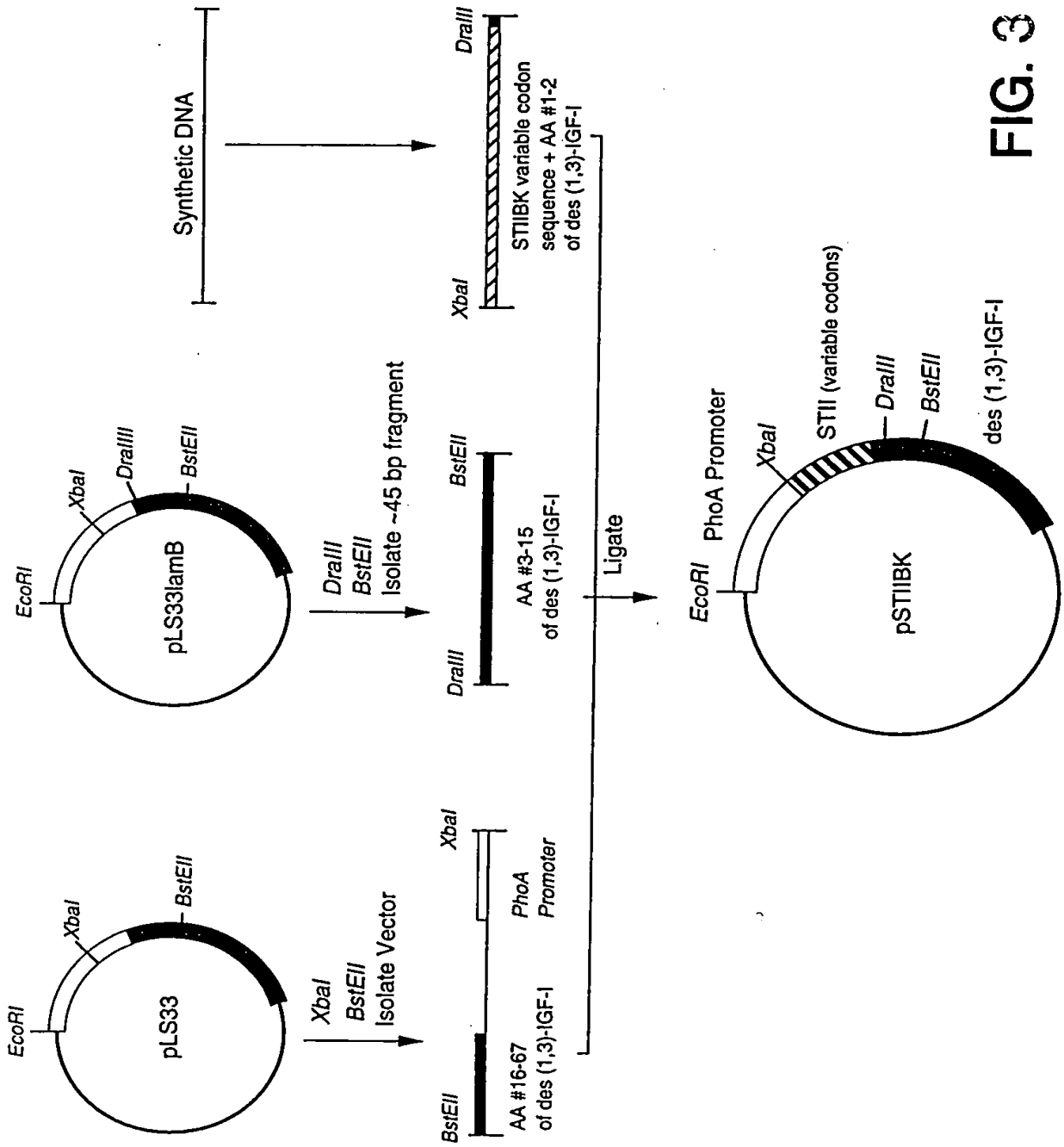
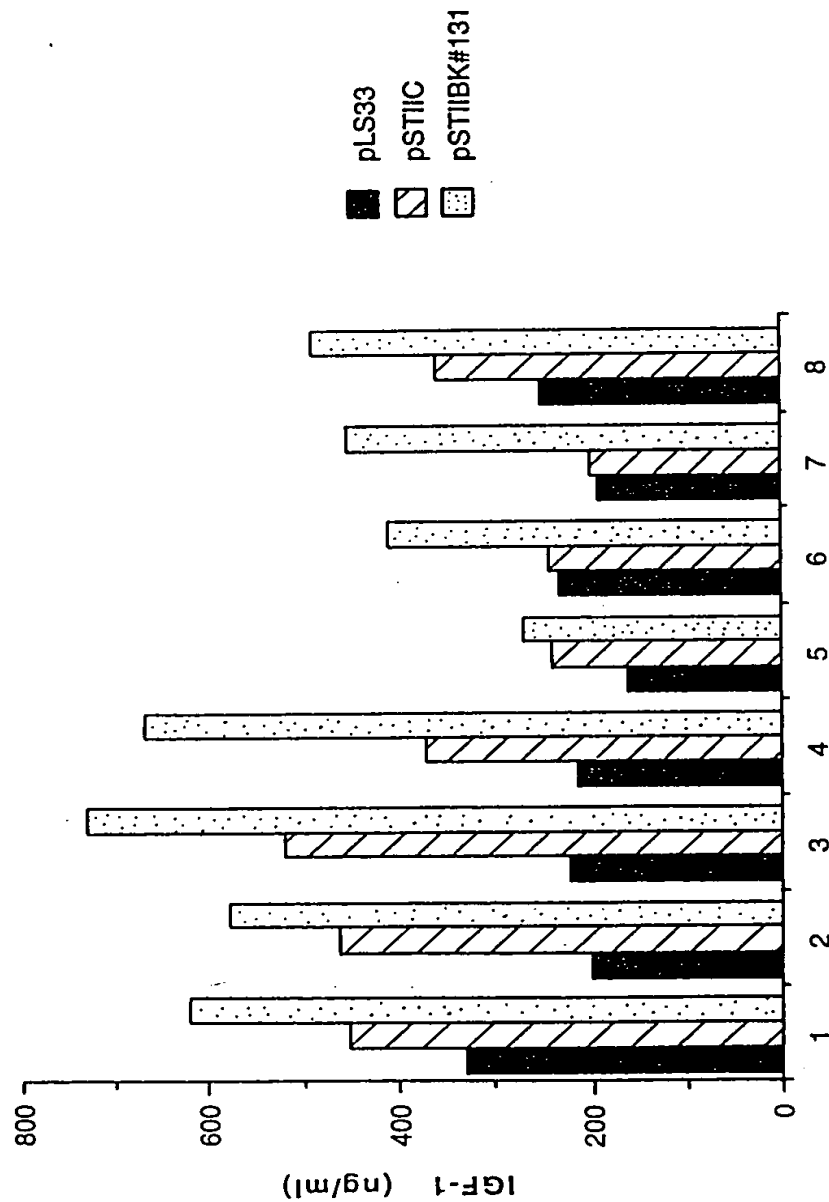


FIG. 3

APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

TOP SECRET



Experiment

FIG. 4

APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

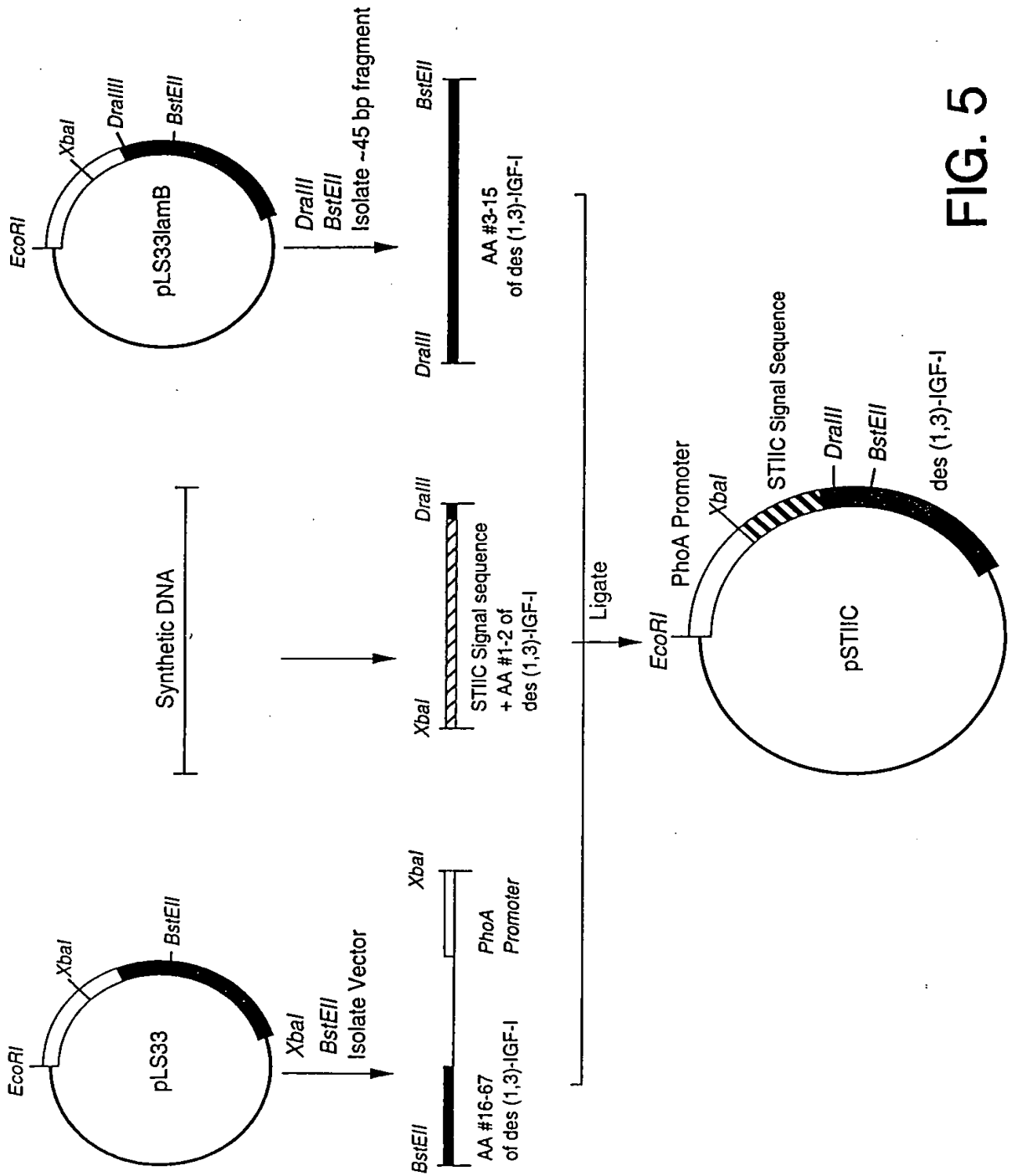


FIG. 5

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

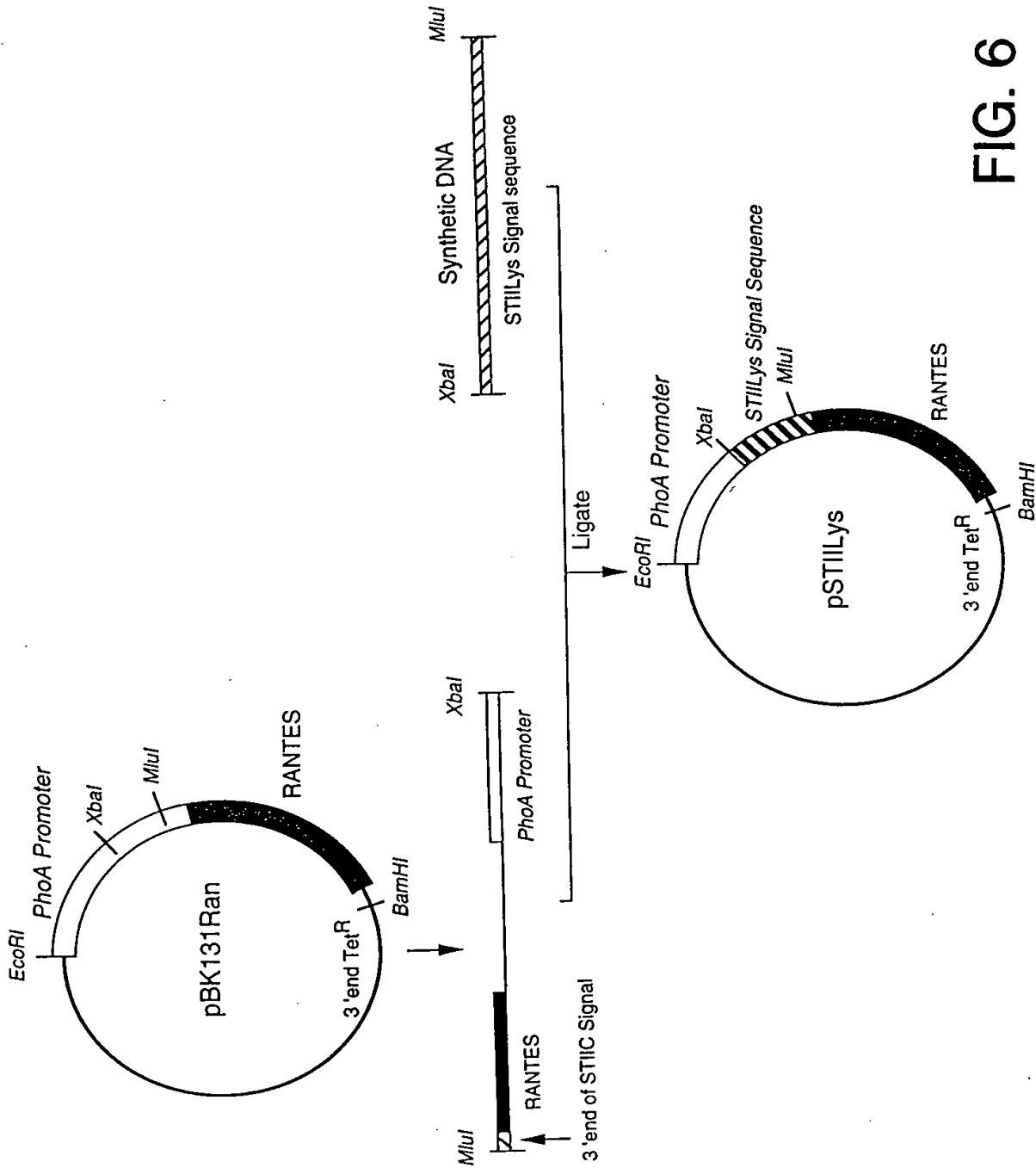


FIG. 6

APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

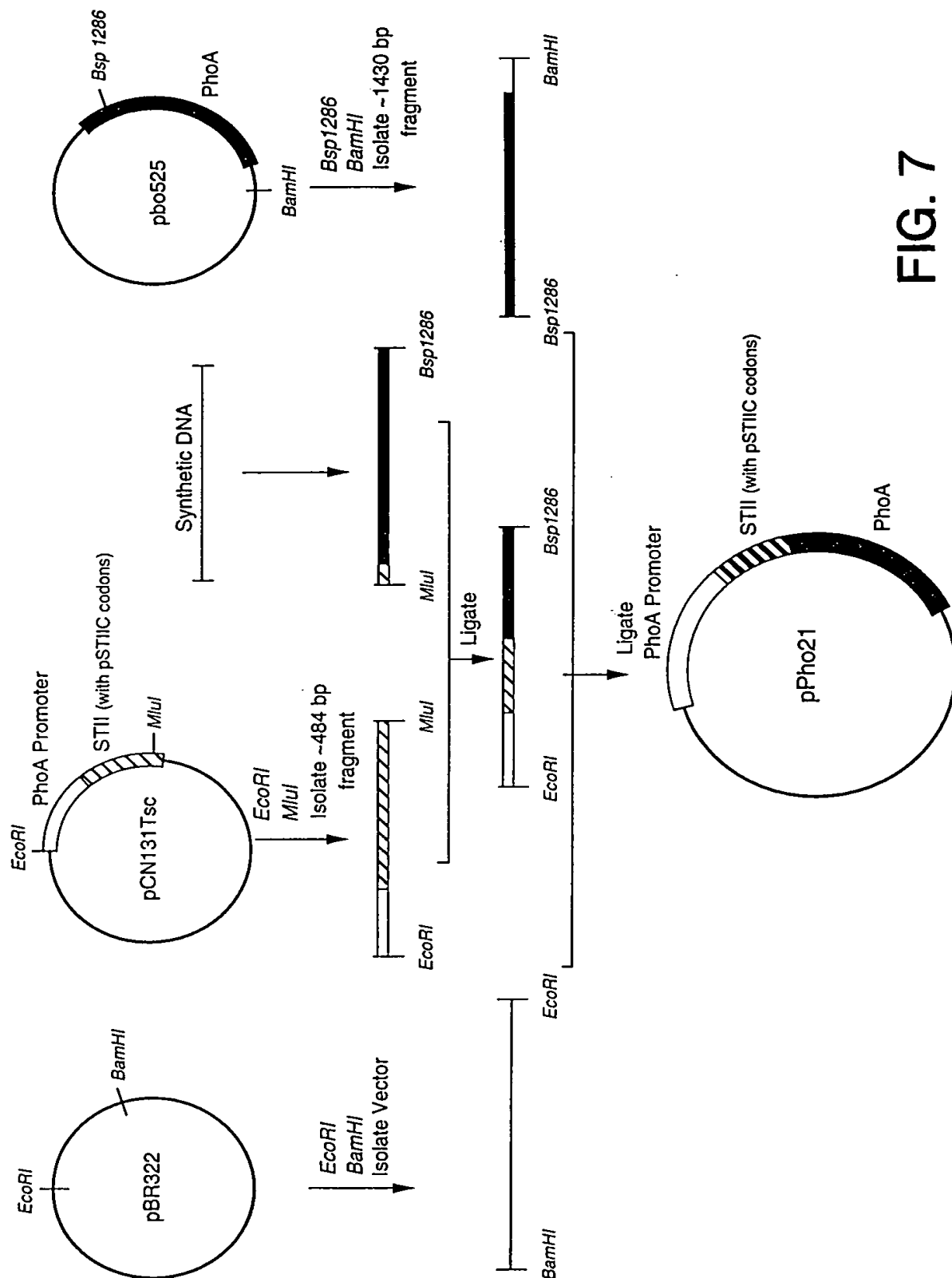


FIG. 7

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

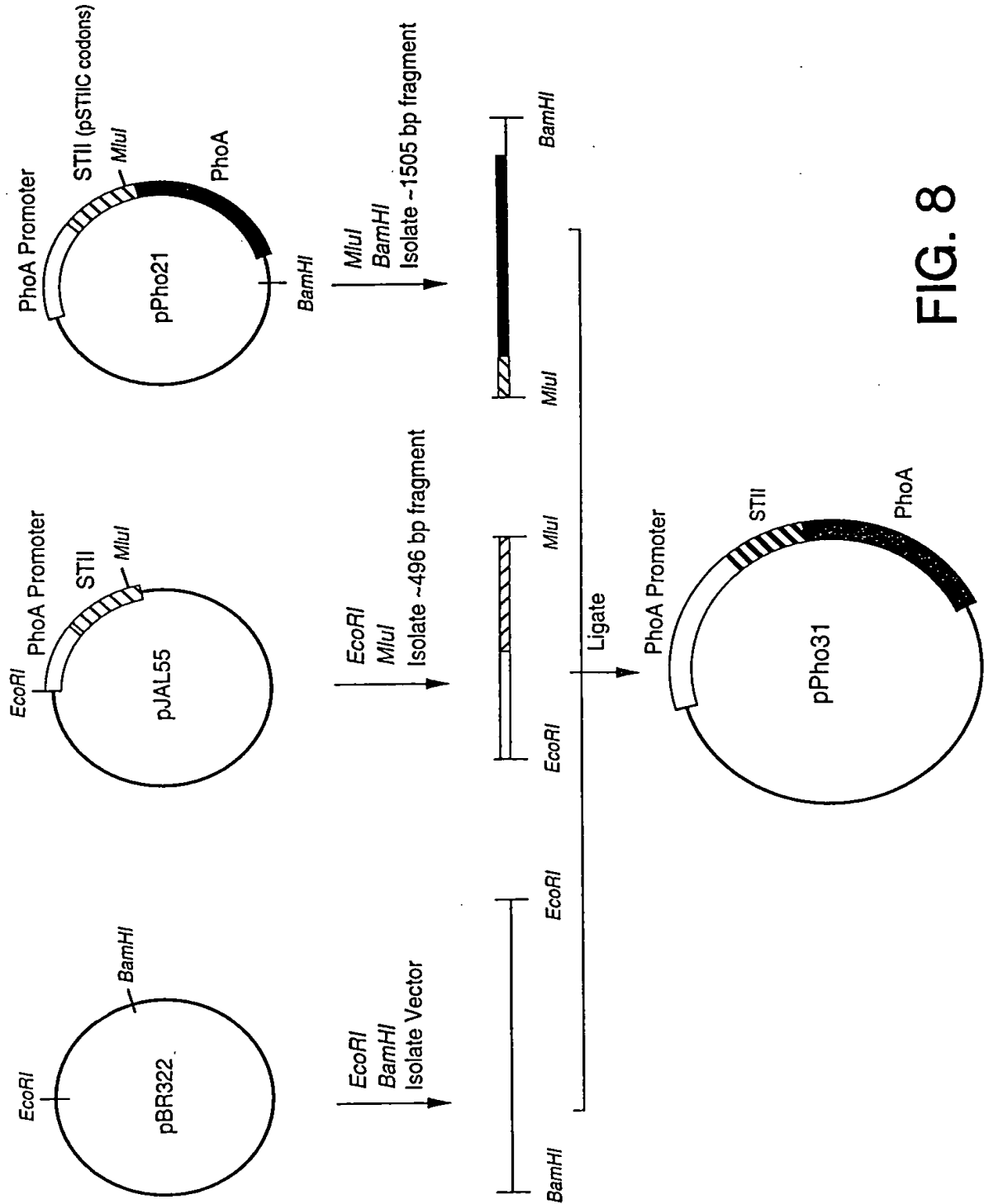


FIG. 8

APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

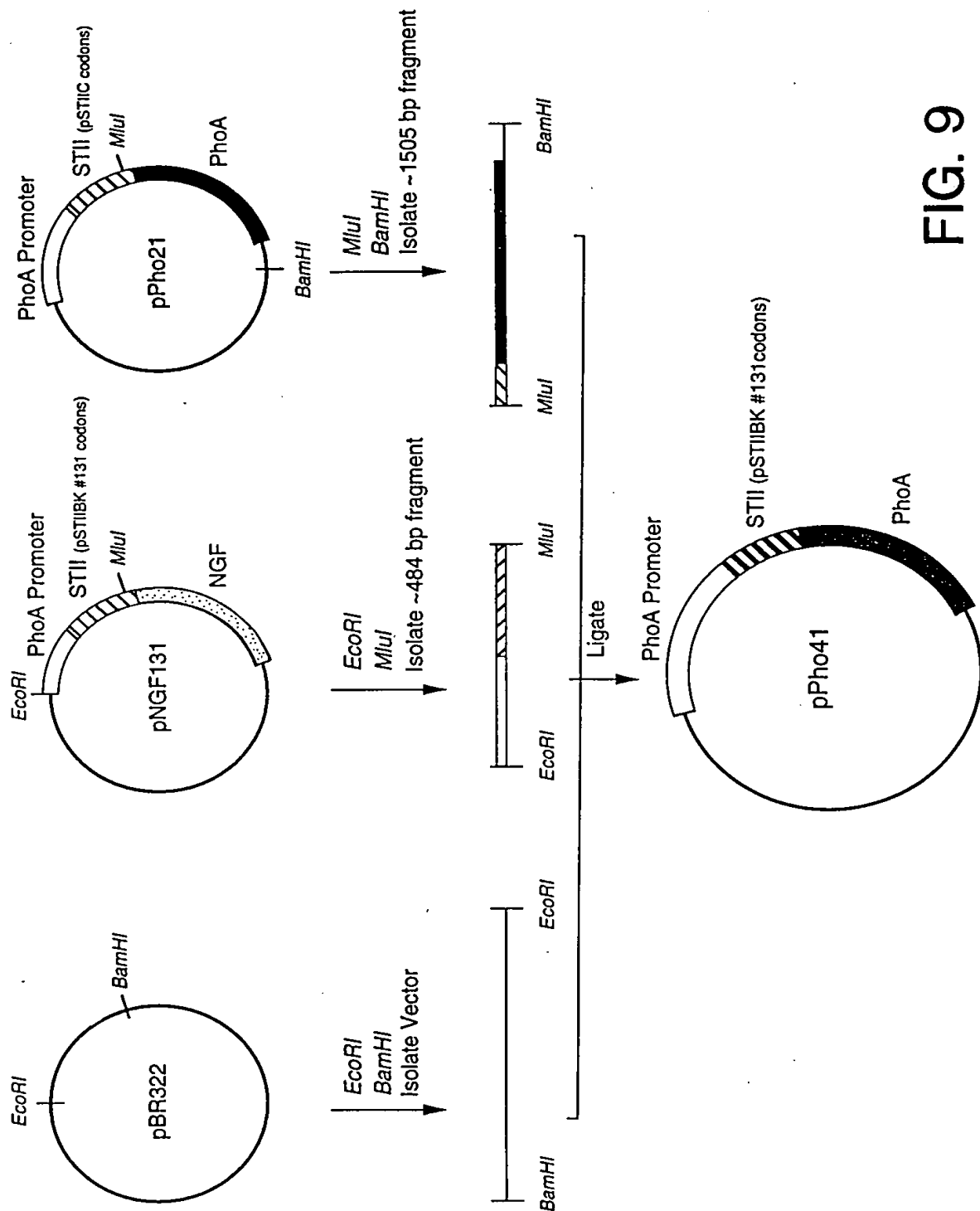


FIG. 9

APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

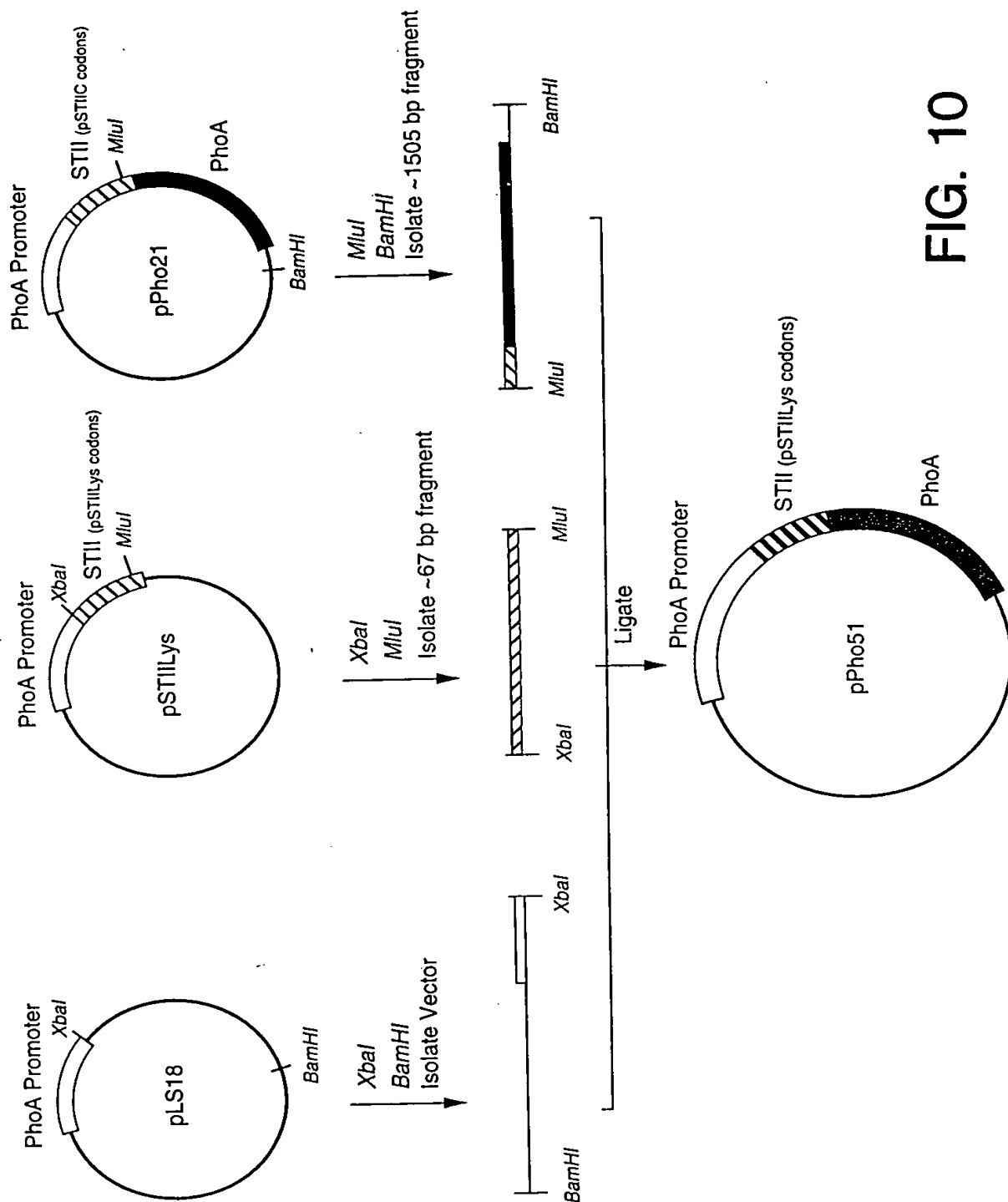


FIG. 10

APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

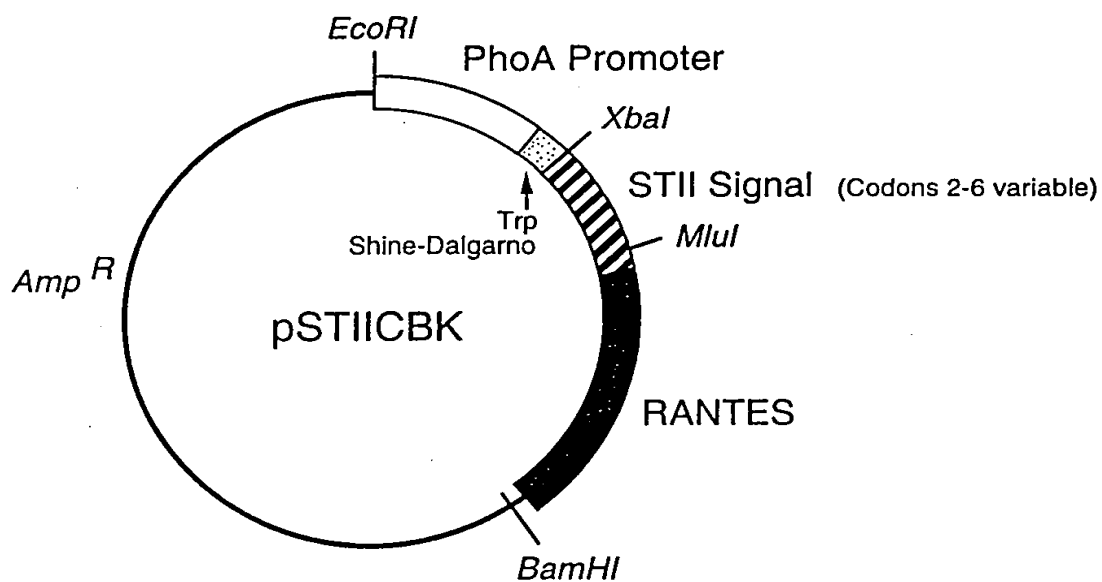


FIG. 11

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

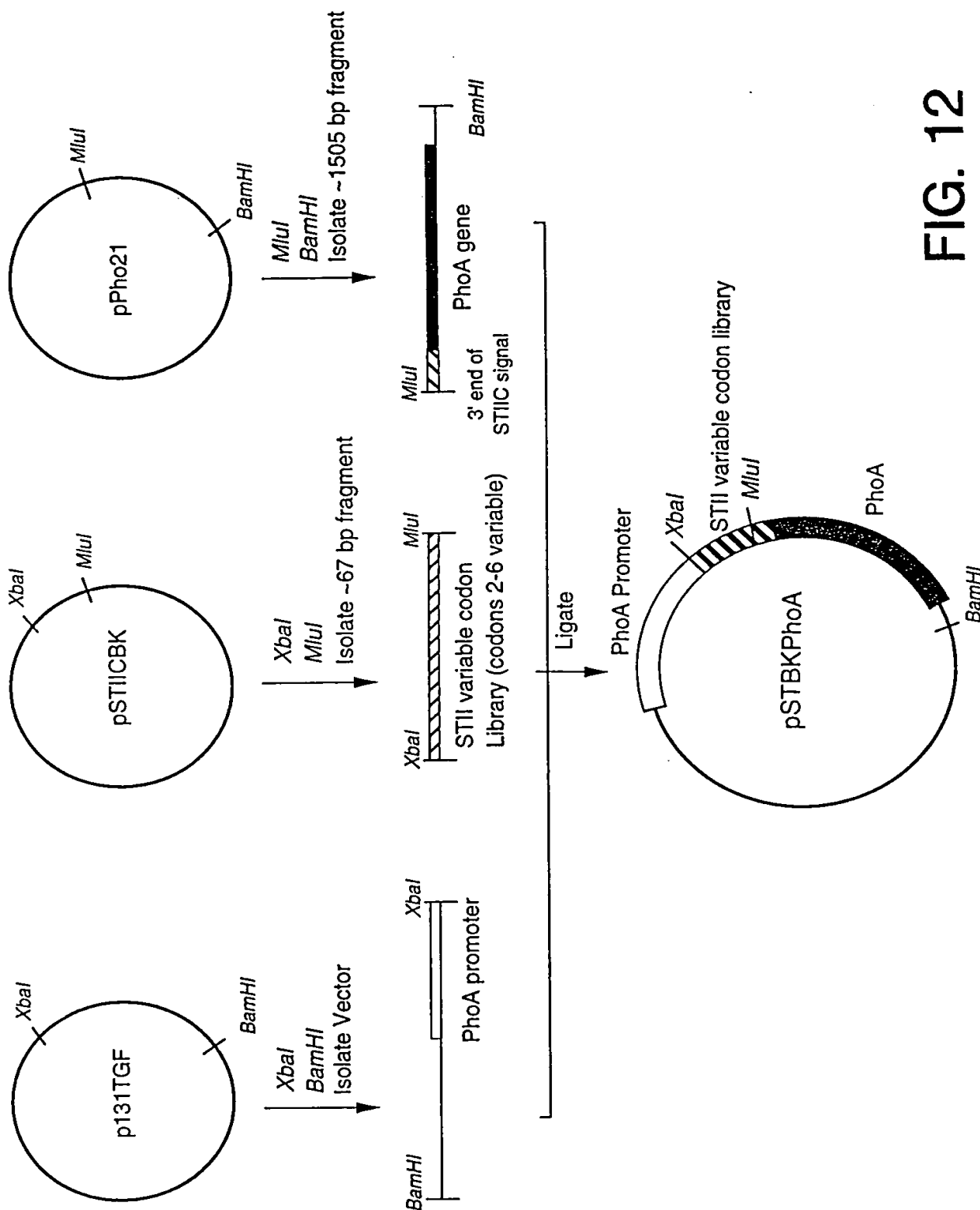


FIG. 12

APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

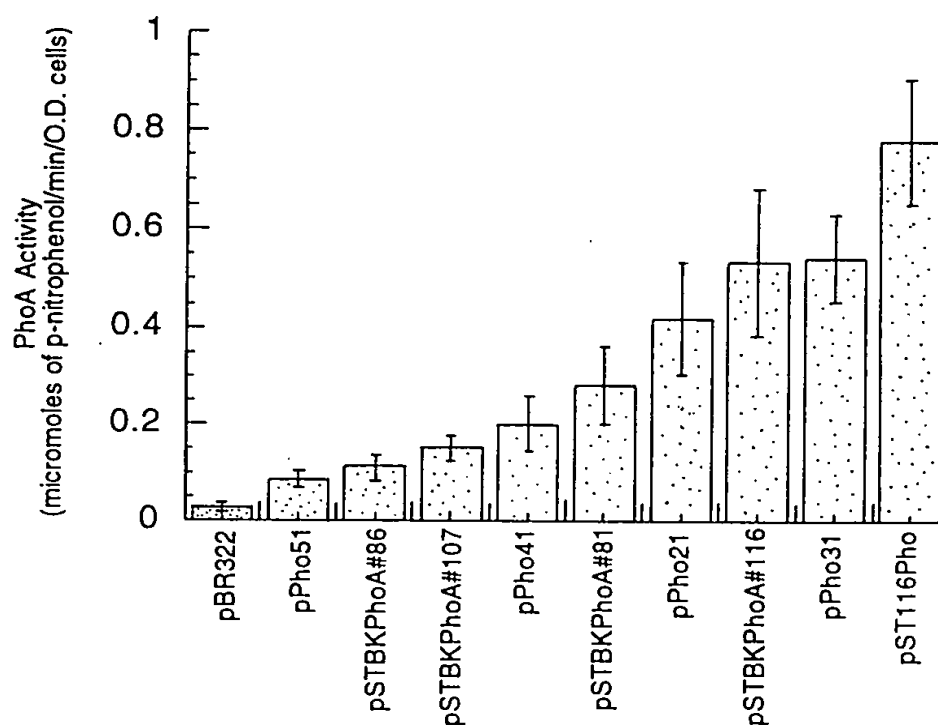


FIG. 13

APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

106040 "T-26-26-26-26"

pPho31 (Wild type STII + MluI site)
TCTAGAGGTTGAGGTGATTTT ATG AAA AAG AAT ATC GCA TTT CTT CTT GCA TCT ATG TTC GTT

pPho21 (STIIC)
TCTAGAATT ATG AAA AAG AAT ATC GCA TTT CTT CTT GCA TCT ATG TTC GTT

pPho41 (STIIBK#131)
TCTAGAATT ATG AAG AAG AAT ATT GCG TTC CTA CTT GCC TCT ATG TTT GTC

pPho51 (STIILys - unless otherwise noted this sequence is the IIR=1 used in the examples)
TCTAGAATT ATG AAG AAG AAT ATC GCA TTT CTT CTT GCA TCT ATG TTC GTT

pSTBKPhoA#116
TCTAGAATT ATG AAA AAA AAC ATC GCA TTT CTT CTT GCA TCT ATG TTC GTT

pSTBKPhoA#81
TCTAGAATT ATG AAA AAA AAC ATT GCC TTT CTT CTT GCA TCT ATG TTC GTT

pSTBKPhoA#107
TCTAGAATT ATG AAG AAA AAC ATC GCT TTT CTT CTT GCA TCT ATG TTC GTT

pSTBKPhoA#86
TCTAGAATT ATG AAA AAG AAC ATA GCG TTT CTT CTT GCA TCT ATG TTC GTT

pST116Pho
TCTAGAGGTTGAGGTGATTTT ATG AAA AAA AAC ATC GCA TTT CTT CTT GCA TCT ATG TTC GTT

FIG. 14A

APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

TIR RELATIVE STRENGTH

TTT TCT ATT GCT ACA AAY GCS TAT GCM* (SEQ ID NO:15)	9
TTT TCT ATT GCT ACA AAC GCG TAT GCM (SEQ ID NO:16)	7
TTT TCT ATA GCT ACA AAC GCG TAT GCM (SEQ ID NO:17)	3
TTT TCT ATT GCT ACA AAC GCG TAT GCM (SEQ ID NO:18)	1
TTT TCT ATT GCT ACA AAC GCG TAT GCM (SEQ ID NO:19)	9
TTT TCT ATT GCT ACA AAC GCG TAT GCM (SEQ ID NO:20)	4
TTT TCT ATT GCT ACA AAC GCG TAT GCM (SEQ ID NO:21)	2
TTT TCT ATT GCT ACA AAC GCG TAT GCM (SEQ ID NO:22)	1
TTT TCT ATT GCT ACA AAC GCG TAT GCM (SEQ ID NO:23)	13

* The codons for the last four amino acids of this sequence may differ in some of the examples of protein secretion. For example, in the IGF-1, VEGF165 and RANTES secretion plasmids, the sequence is AAT GCC TAT GCA. The last codon for the last amino acid in every sequence listed may vary in the examples of protein secretion - GCC and GCA were both used.

FIG. 14B

APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

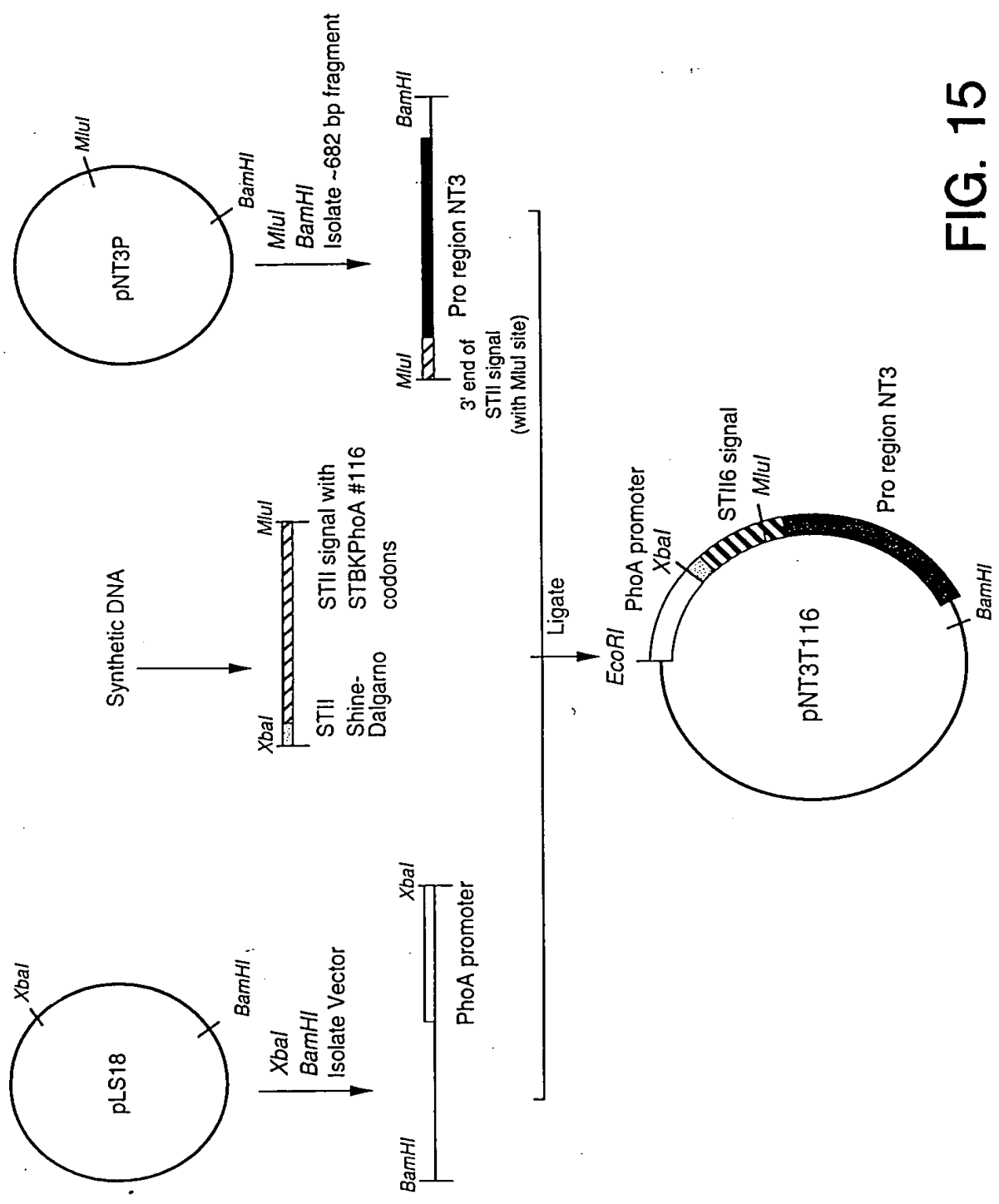


FIG. 15

APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

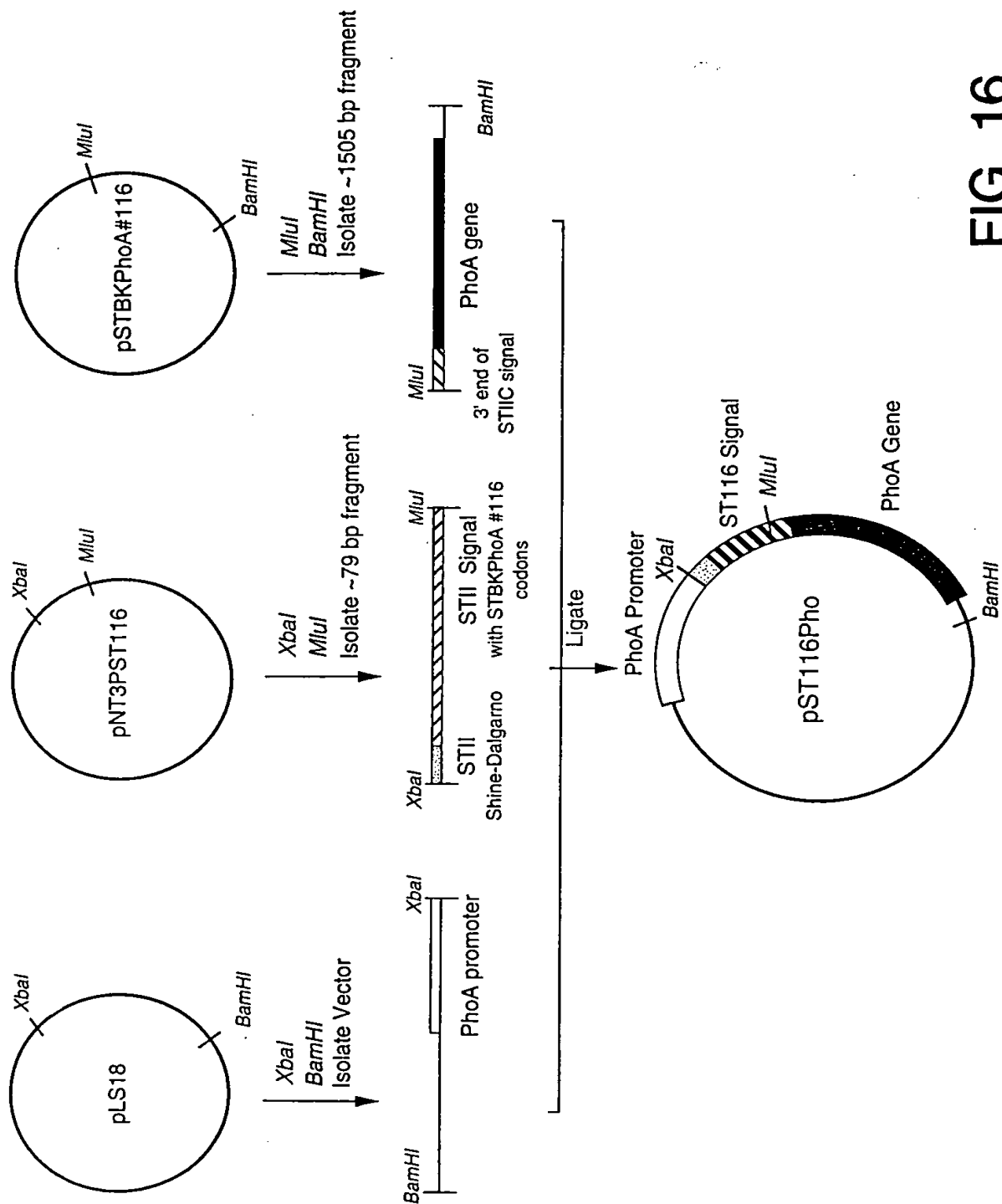


FIG. 16

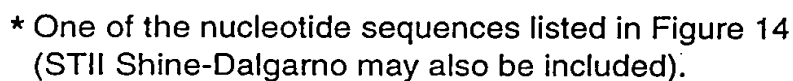


FIG. 17

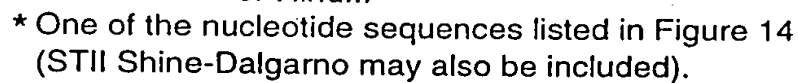


FIG. 18